

Interoffice Memorandum

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Date: June 10, 1997

To: Dan Even

Subject: **Monthly Report – May 1997
Product Development
& Engineering**

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ORTHODONTIC PRODUCTS

RESEARCH AND EXPLORATORY PRODUCT INVESTIGATIONS

CustomR_x CUSTOM LABIAL APPLIANCE SYSTEM (Project 853-E Craig Andreiko/Eric Chapoulaud)

a. Lab Reopening (Craig Andreiko)

1) Accomplishments / Status

- ☒ Improvement of the JIG Design for the Upper Lateral: Modification of the lingual surface to remove interferences, Modification of the manufacturing software to improve precision of the milling paths.
- ☒ Improvement of the visualization software: Modification of the sections functionality to allow easier debugging of the Jig design and manufacturing software.

2) Goals For June

- ☐ Improve the Jig design and manufacturing for the Upper Lateral Jig.
- ☐ Creation of 5x5 case of Jigs.

3) Major Project Milestones

- © 3D JIG Design review: 6/30/97

b. 3D Digitizing (Eric Chapoulaud)

1) Accomplishments / Status

- ☒ No development was done this month.

2) Goals For June

- ☐ No development is anticipated this month.

3) Major Project Milestones

- © Mandibular jaw of the PK Thomas model scanned: 6/22/97.

c. Bracket Fabrication (Eric Chapoulaud)

1) Accomplishments / Status

- ☒ Reception and Set-up of the Wax patterns manufacturing machine from SANDERS prototype Inc: "Model Maker Pro".
- ☒ Produced wax parts of Upper Lateral brackets in different sizes: real life, scale 10 and currently scale 20.
- ☒ During the parts manufacturing, we have been adjusting the machine parameters to our laboratory conditions and to our parts size, shape and accuracy.

2) Goals For June

- ☐ Training at SANDERS for E. Chapoulaud and L. Phaneuf.
- ☐ Continue adjusting parameters of the machine for better precision and reliability
- ☐ Produce customized wax patterns of brackets and JIGS, using the Elan Software.

3) Major Project Milestones

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